

4T1-GFP | 305625

4T1-GFP

Description	4T1-GFP is a mouse mammary epithelial cell line derived from a 4T1 mouse. It is a GFP-expressing cell line, which is used for studying breast cancer progression and metastasis. The cells are highly invasive and metastatic, and they are used for studying the role of various factors in breast cancer progression. The cells are also used for studying the role of various factors in breast cancer progression. The cells are also used for studying the role of various factors in breast cancer progression.
Organism	Mouse
Tissue	Epithelial cells
Disease	Breast cancer
Metastatic site	Brain (via intracranial injection); Lung, Liver, Bone, etc.
Applications	Study of breast cancer progression; Study of breast cancer metastasis; Study of breast cancer treatment; Study of breast cancer biology; Study of breast cancer pathogenesis; Study of breast cancer prognosis; Study of breast cancer prevention; Study of breast cancer diagnosis; Study of breast cancer therapy; Study of breast cancer biology; Study of breast cancer pathogenesis; Study of breast cancer prognosis; Study of breast cancer prevention; Study of breast cancer diagnosis; Study of breast cancer therapy.
Synonyms	4T1-A, 4T1.0, 4T1/WT

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Age	8-12 weeks
Gender	Female
Morphology	Epithelial cells
Cell type	Epithelial cells
Growth properties	Highly invasive and metastatic

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Citation	4T1-GFP (Cytion 305625)
Biosafety level	1

Product sheet

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NCBI_TaxID 10090

CellosaurusAccession CVCL_0125

GMO Status GMO-S1: 100% 4T1 cells expressing ZsGreen1, 100% 4T1 cells expressing ZsGreen1, 100% 4T1 cells expressing ZsGreen1

Surface antigens GFP

Antigen expression ZsGreen1 (100% 4T1 cells expressing ZsGreen1)

Culture Medium RPMI 1640, w: 2.1 mM 100mM, w: 2.0 g/L NaHCO3 (100% 4T1 cells expressing ZsGreen1)

Supplements 100% 100% 10% FBS

Dissociation Reagent 100% 100%

Doubling time 12.6 100%

Split ratio 1 : 3

Seeding density 1 x 10⁴ cells/cm²

Fluid renewal 2 x 3 100% 100%

Freeze medium 100% 100% 100% + 10% DMSO 100% 100% 100%

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**Thawing and
Culturing Cells**

1.

Remove the vial from liquid nitrogen storage and allow it to thaw at room temperature for 2-3 minutes. Do not shake the vial. Transfer the cells to a test tube and add 1 ml of pre-warmed DMEM medium. Gently mix the cells by pipetting up and down. Transfer the cells to a 25 cm² tissue culture flask and add 10 ml of pre-warmed DMEM medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
2.

After 24 hours, check the cells under a microscope. If the cells are not attached to the flask, they may be dead. If the cells are attached, they are viable. Remove the medium and replace it with fresh pre-warmed DMEM medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
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After 24 hours, check the cells under a microscope. If the cells are not attached to the flask, they may be dead. If the cells are attached, they are viable. Remove the medium and replace it with fresh pre-warmed DMEM medium. Incubate the cells at 37°C in 5% CO₂ for 24 hours.
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**Incubation
Atmosphere**

37°C, 5% CO₂, humidified

**Shipping
Conditions**

Shipped in dry ice, stored at -78°C

**Storage
Conditions**

Store at -150°C in liquid nitrogen

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